

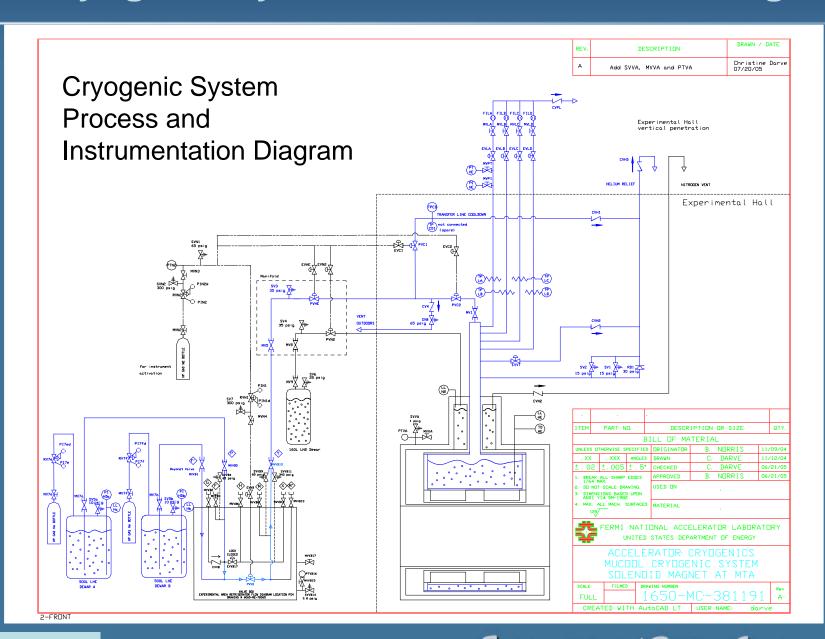
MTA Cryogenics - status

(07/29/05)

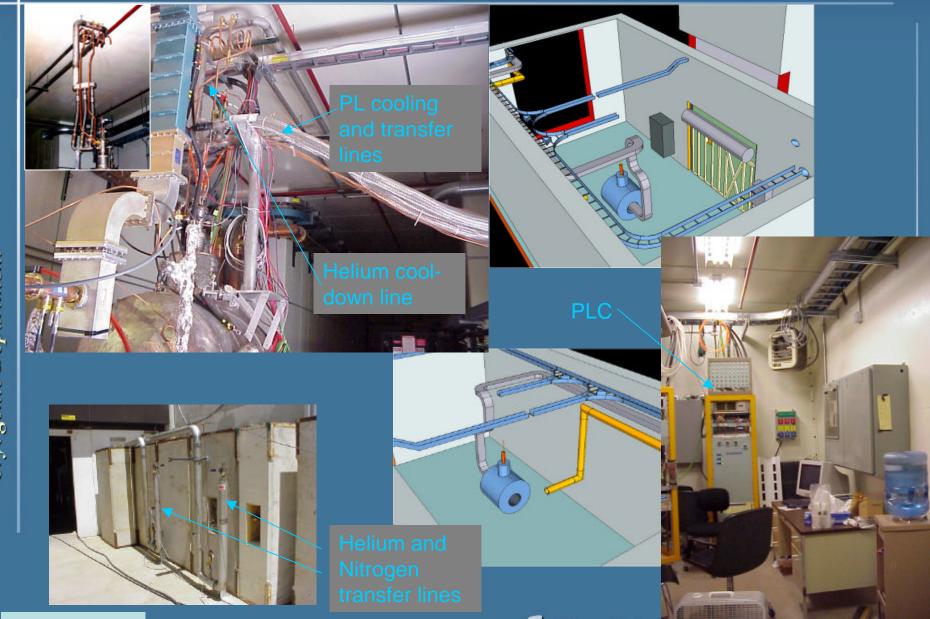
Cryogenic System for MTA Solenoid Magnet

- Fieldwork
 - ✓ Installation of existing LabG Solenoid Magnet transfer lines
 - ✓ Instrumentation installation
 - ✓ Piping and relief systems
 - ✓ Electrical cabling
 - ✓ New PLC for Helium and Nitrogen Dewar changes
- > Safety
 - ✓ Engineering and safety documents
 - ✓ Safety walkthrough (Friday July 15th)
 - o Complete required modifications











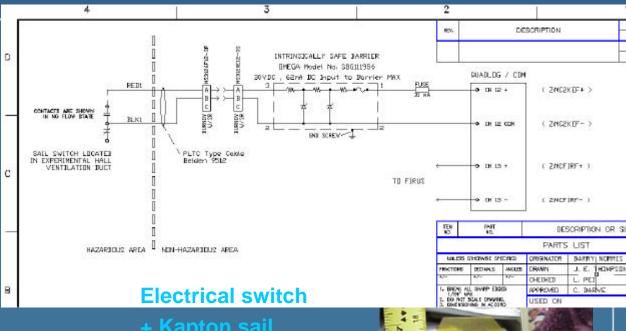
- Cryogenic Safety Review Green light and Recommendations
 - ✓ Add relief system to MTA Solenoid Magnet vacuum jacket
 - Use 1 inch parallel plate CVI seal-off and thermocouple
 - ✓ Update existing Solenoid Magnet LHe vessel EN for fire condition
 - → relief system is not modified



- o Provide operational procedures to safety panel
- Monitor fan operation to maintain Experimental Hall ODH 0 by using a flow switch installed @ duct ventilation flow
 - ✓ Design and control issues (PBar example)
 - ✓ FIRUS and Quadlog safety PLC
 - o MCR: send the operational procedure in case of FIRUS Alarm

Flow switch with intrinsically safe barrier











MTA Cryogenics - status

Compressor and Fridge Buildings Piping contract

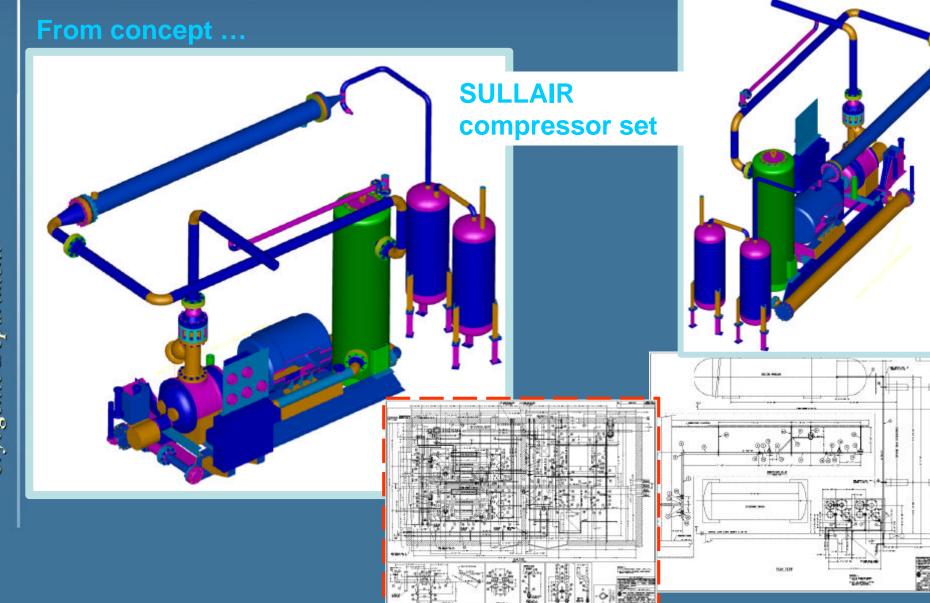
- Moved and connected
 - √ two (2): SULLAIR compressors + 2 coalescers + 1 aftercooler
 - √ two (2) purification skids
 - ✓ Nitrogen and Helium storage vessels

Mechanical INC. makes excellent progress to complete installation by August 18th

> Radiographic test (5% of total weld number) - 12 welds



Compressor & Fridge Buildings Piping Contract





Compressor & Fridge Buildings Piping Contract

To reality





